

HD SERIES

SIDE DOOR · CERAMIC FIBER INSULATION (1200/1400, 300/400)

Economical Series - Muffle Furnaces · Up to 1200°C

STANDARD FEATURES

- CE manufactured
- Maximum temperature: 1200°C
- Compact and lightweight
- 24/7 continuous work capability
- 4 heating plates with KANTHAL AF and APM
- Low thermal mass insulation
- Built with low density ceramic bricks and ceramic fiber
- Outer case in painted metal sheet (inox optional)
- Rear ventilation via ceramic chimney
- Thermocouple type K
- Convincing price/performance ratio
- Spare parts easily replaceable by end user



From HD150 to HD280

FURNACE CONTROLS

- Lower front control panel up to HD230
- Side control from HD330 to HD630
- Solid state relay
- **PAD Digital control**
 - PID parameters
 - Non-volatile memory
 - Microprocessor-based temperature controls
 - Alarm

CONTROL OPTIONS

- Ramp programmers up to 64 segments
- Optional:
 - Eurotherm EPC Series + Data logger Itools software by Ethernet
 - Eurotherm Nanodac Series +Data logger and Itools software by Ethernet according AMS2750E and 21CFR Part 11

SAFETY SHUT-OFF

- Thermocouple break shut-off

ACCESSORIES

- Interchangeable temperature-uniform trays with rim
- Refractory, incoloy, SS and ceramic tray
- Forced cooling system
- Smoke chimney
- Forced smoke chimney
- Safety alarm Class II. Over-temperature protection
- Inlet gas entry
- Flow meter box
- and more, ask for our full assortment!



From HD330 to HD630

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CHARACTERISTICS

- Modern design metal case with chrome-phosphatizing base protection and external finish with heat-resistant metal paint.
- Refractory parts engineered to resist extreme temperature changes, and specific ceramic paste types applied according to temperature and work fatigue of each part.
- Heat resistance in refractory insulation of very low thermal conductivity coefficient.
- Door system adjusted on the furnace frame by pressure, allowing for complete sealing. Electrically and thermally insulated door handle.

ACCESSORIES

- Extraction Chimney: Self-extraction design to eliminate smoke in processes that produce smoke in a considerable amount or when smoke extraction is advisable due to the nature of the process. Chimney outlet connection to a smoke bell or to the exterior by end user.
- Forced air extraction chimney: Specially designed for a forced self-extraction to evacuate smoke fast at resistance in refractory insulation of very low thermal conductivity coefficient.
- Bottom trays: Interchangeable, temperature uniform, with rim to protect against spilling, fusion or adherence of materials.

SPECIFICATIONS

Fully customized solutions by request
We reserve the right to change technical specifications

Model	Inner dimensions			Outer dimensions			Volume	Power	Voltage	Heated	Maximum Temperature	Maximum Temperature ° C limited time	Maximum Temperature Continuous °C	Termo- couple	Control Type	Heating Elements
	mm			mm												
	High	Wide	Deep	High	Wide	Deep										
HD150	80	130	150	400	440	400	1,7	2,5	220	3	1200	1150	-----	K	R. Prog	Kanthal Wire
HD190	150	200	200	400	510	470	6	2,5	220	3	1200	1150	-----	K	R. Prog	Kanthal Wire
HD230	160	200	240	490	540	510	7,6	5,5	220	3	1200	1150	-----	K	R. Prog	Kanthal Wire
HD280	200	250	280	490	540	510	14	3,8	220	2	1200	1150	-----	K	R. Prog	Kanthal Wire
HD330	230	260	300	580	620	680	18	4,5	220	3	1200	1150	-----	K	R. Prog	Kanthal Wire
HD430	260	310	300	610	675	680	24	4,5	220	3	1200	1150	-----	K	R. Prog	Kanthal Wire
HD430X	260	310	400	610	675	820	32	4,5	220	3	1200	1150	-----	K	R. Prog	Kanthal Wire
HD430XL	260	310	500	610	650	865	40	4,5	220	3	1200	1150	-----	K	R. Prog	Kanthal Wire
HD530	300	310	300	670	670	680	28	4,5	220	3	1200	1150	-----	K	R. Prog	Kanthal Wire
HD630	300	350	400	670	720	820	42	4,5	220	3	1200	1150	-----	K	R. Prog	Kanthal Wire